

AC axial fan

sickled blades (S series)

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Nominal data

Type	A2D210-AB10-05		
Motor	M2D068-CC		
Phase		3~	3~
Nominal voltage	VAC	200	200
Connection		Δ	Δ
Frequency	Hz	50	60
Type of data definition		fa	cu
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2700	3050
Power input	W	64	86
Current draw	A	0.33	0.31
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	90	90
Starting current	A	0.94	0.92

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



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Technical features

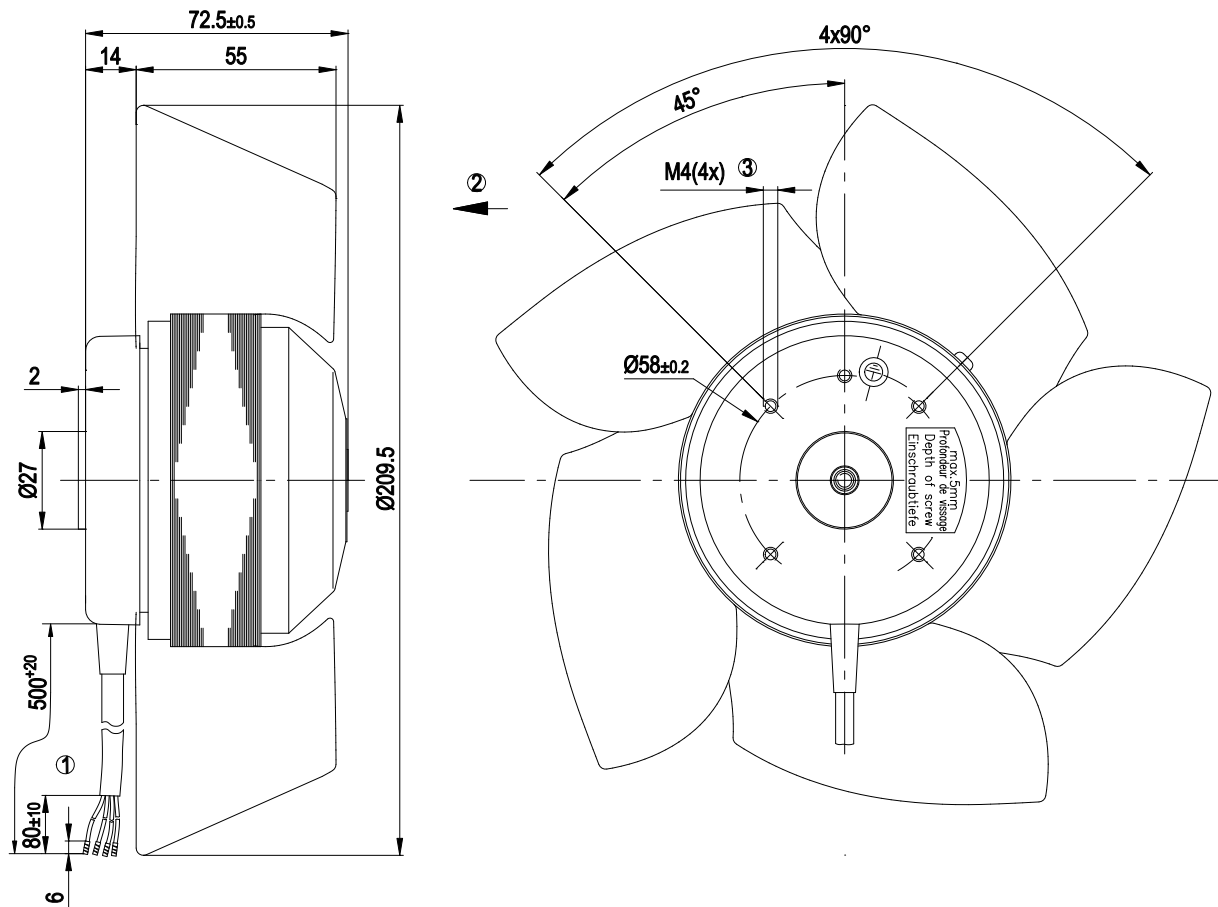
Mass	1.6 kg
Size	210 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"F"
Humidity class	F2-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1
Approval	CSA C22.2 Nr.100; UL 1004-1



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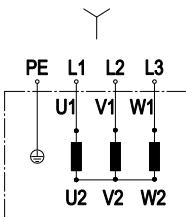
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Product drawing



1	Connection line PFA AWG20, 4 x brass lead tips crimped
2	Direction of air flow "V"
3	Depth of screw max. 5 mm

Connection screen



Change direction of rotation by reversing two phases

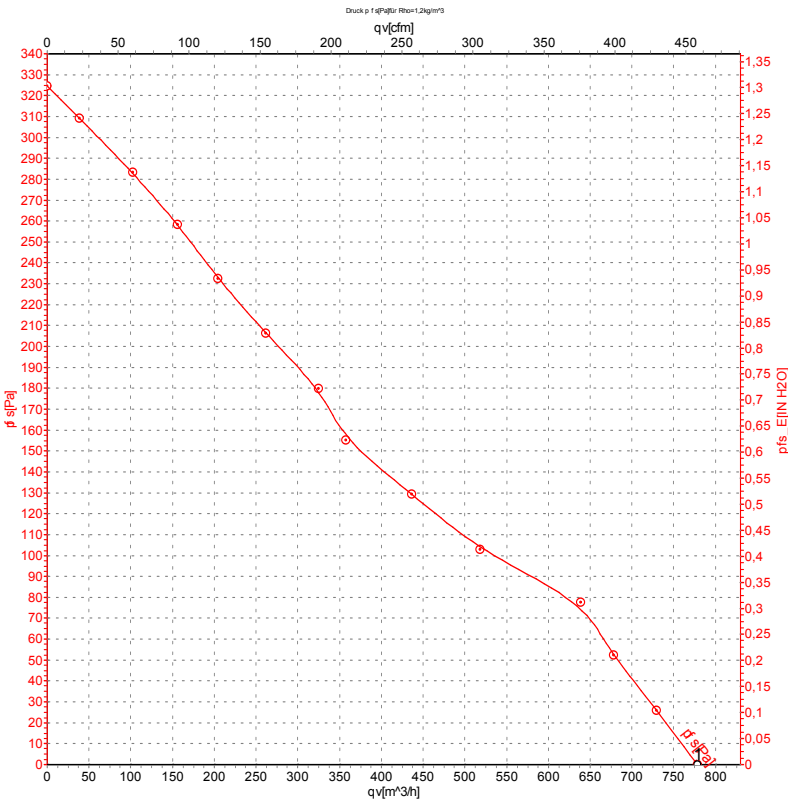
	Three-phase motor	Y	Star connection	L1	black
L2	blue	L3	brown	PE	green/yellow



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Charts: Air flow 50 Hz



Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: L_{WA} measured as per ISO 13347 /
L_{pA} measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _e	I	qv
	V	Hz	min ⁻¹	W	A	m ³ /h
1	400	50	2750	89	0.26	780

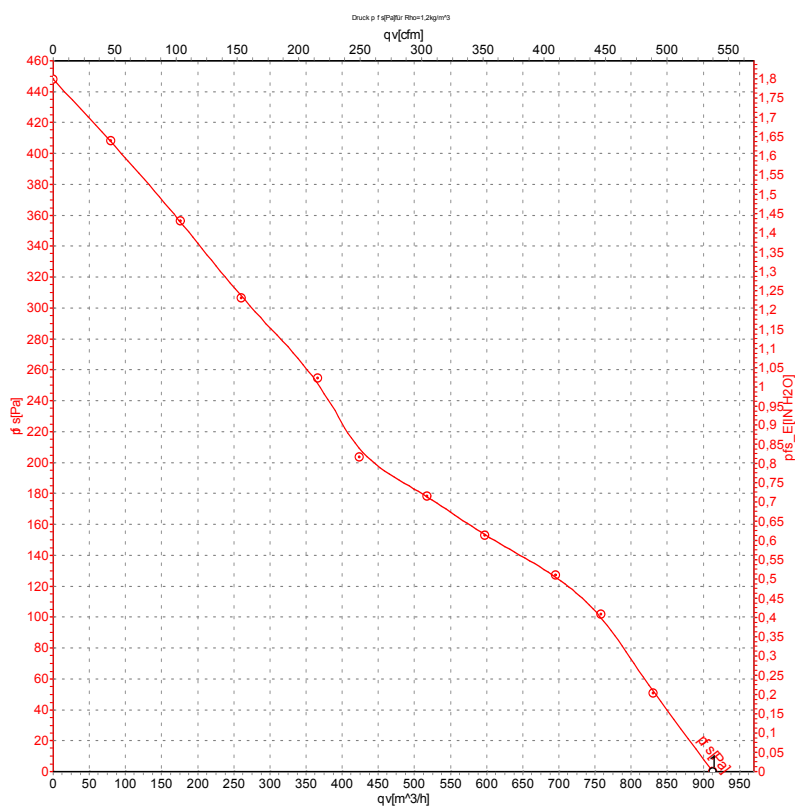
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow



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Charts: Air flow 60 Hz



Air performance measured as per ISO 5801
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levels: L_{WA} measured as per ISO 13347 /
L_{pA} measured with 1m distance to fan axis.
The values given are valid under the
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situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _e	I	qv
	V	Hz	min ⁻¹	W	A	m ³ /h
1	480	60	3250	130	0.27	915

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow

